ODL
215 EAST ROOSEVELT AVE.
ZEELAND, MI 49464

Digitally signed by Lyndon F Schmidt
Date: 2024.12.17 11:12:01 -05'00'

L. F. SCHMIDT LICENSE No. 43409 STATE OF FLORIDA PROFESSIONAL ENGINEER

This item has been digitally signed and sealed by **L. F. Schmidt, P.E.** on the date adjacent to the seal.

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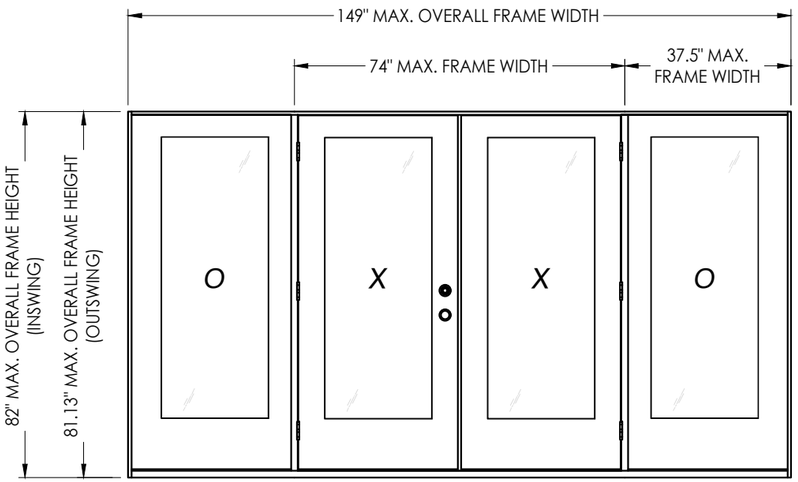
THIS PRODUCT APPROVAL IS VALID ONLY FOR THE STATE OF FLORIDA

FLUSH GLAZED FIBERGLASS DOOR DOUBLE w/ SIDELITES

INSWING/OUTSWING "NON-IMPACT"



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CONTINUOUS HEAD & SILL

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2 of the FBC.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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6	Horizontal & Vertical Cross Sections (2X Buck)		

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OXXO	149" x 82.0"	+50.0	-50.0	+50.0	-50.0

Documents Prepared By:
Lyndon F. Schmidt
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RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: ODL FIBERGLASS DOOR

PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS	BY

DATE: 12/10/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46118.5
SHEET 1 OF 11

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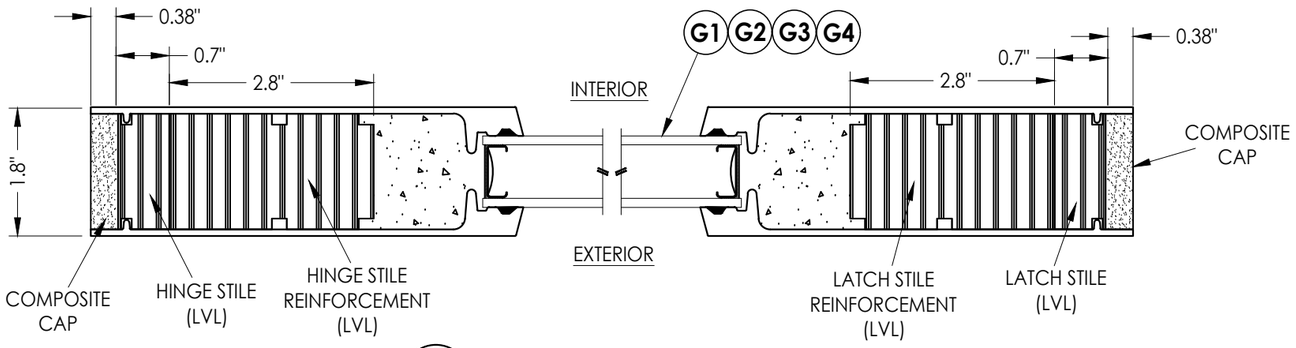
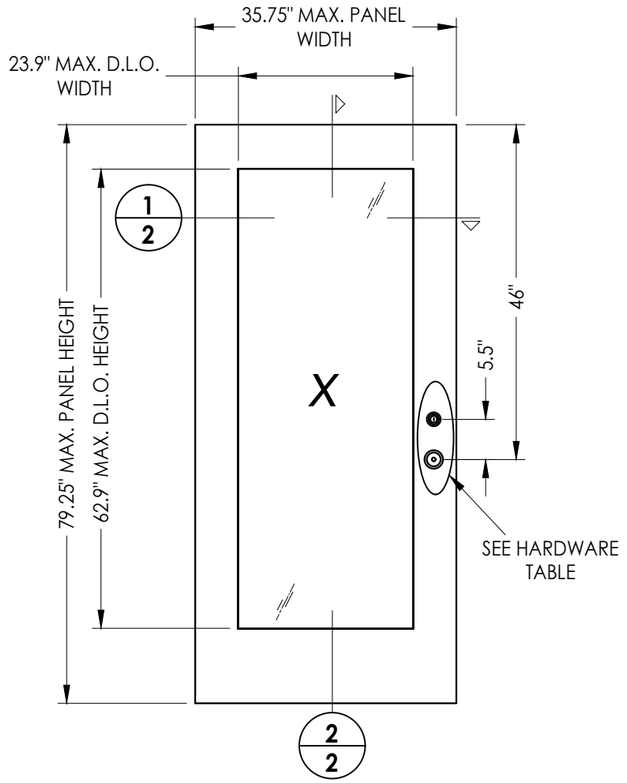
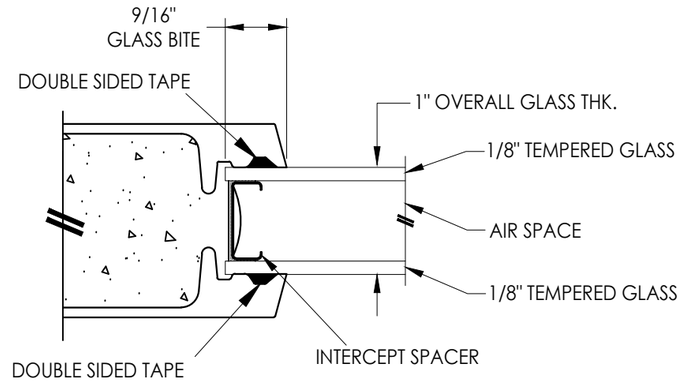


1/2 ***HORIZONTAL CROSS SECTION***

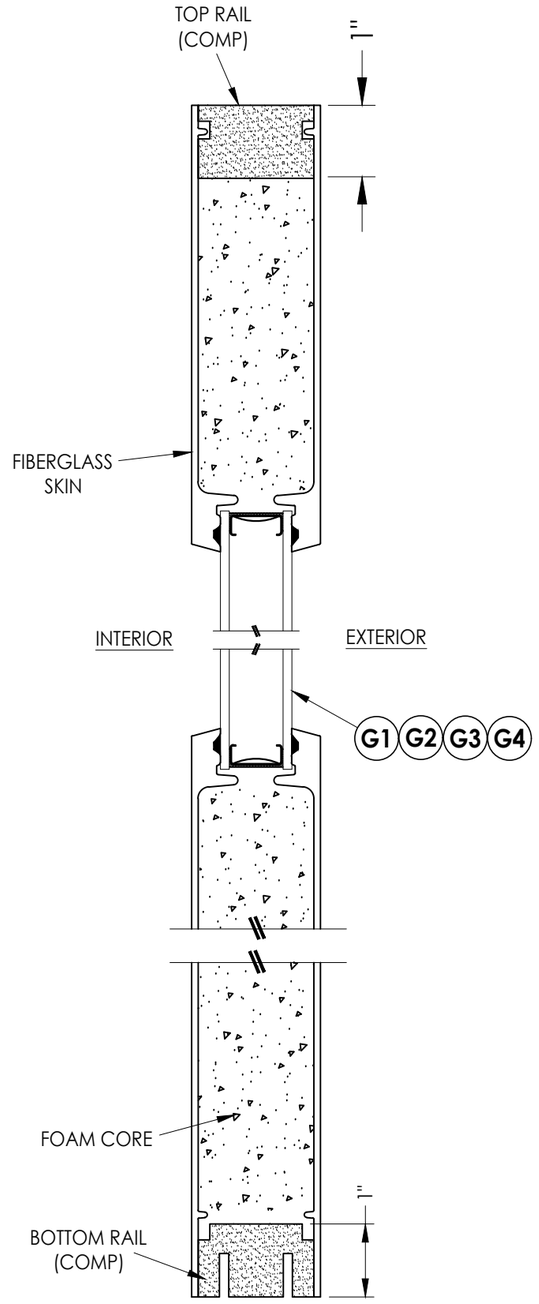


40 ***FIBERGLASS DOOR PANEL***
ODL



G1 ***GLAZING DETAIL***
CLEAR GLASS

HARDWARE CHART	
MANUFACTURER	***MODEL***
KWIKSET	**KNOB: SIGNATURE SERIES** **DEADBOLT: SIGNATURE SERIES (980)**
SCHLAGE	**KNOB: F SERIES** **DEADBOLT: B60 SERIES**



2/2 ***VERTICAL CROSS SECTION***

FIBERGLASS SKIN: 0.070" MIN. THK.
FOAM CORE: POLYSTYLRENE

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PRODUCT: *ODL FIBERGLASS DOOR*
PART OR ASSEMBLY: *DOOR PANEL DETAILS*

NO.	DATE	BY
REVISIONS		

DATE: 12/10/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46118.5
SHEET 2 OF 11

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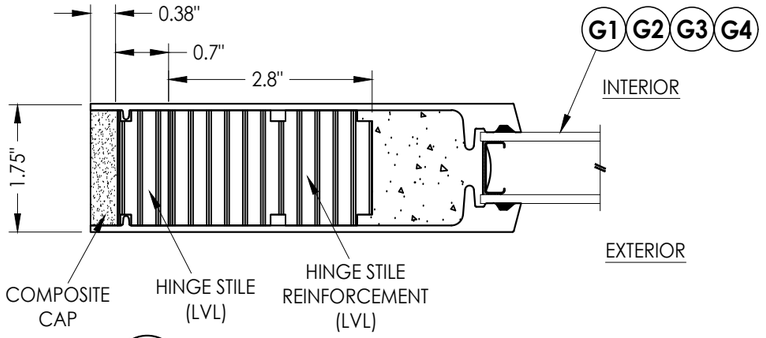
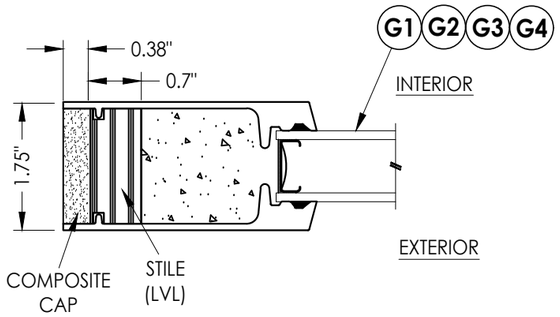
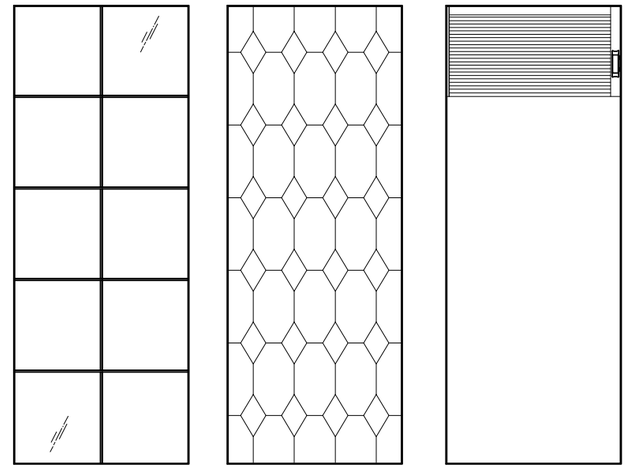


1/3 **HORIZONTAL CROSS SECTION**

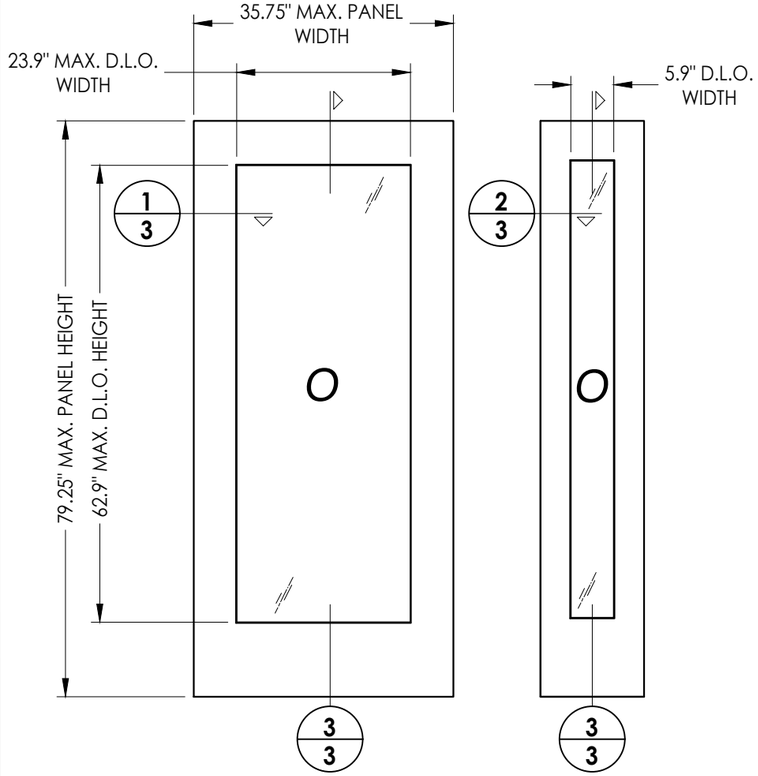


2/3 **HORIZONTAL CROSS SECTION**



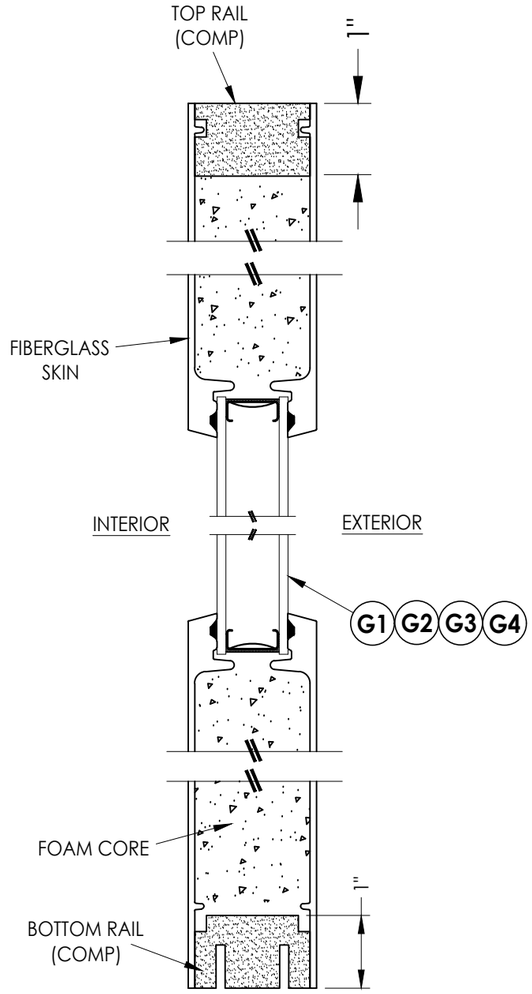
GRIDS BETWEEN GLASS DECORATIVE BLINDS BETWEEN GLASS

ALTERNATE GLAZING DETAILS

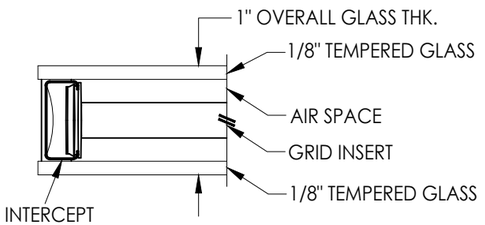


50 **FIBERGLASS SIDELITE PANELS** ODL

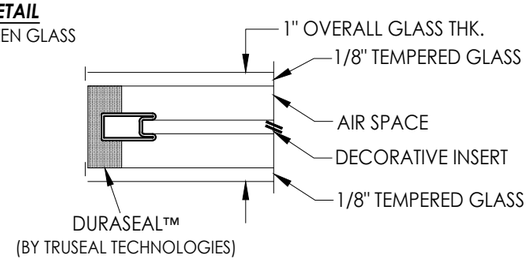
FIBERGLASS SKIN: 0.070" MIN. THK.
FOAM CORE: POLYSTYLRENE



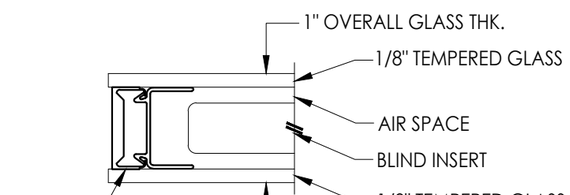
3/3 **VERTICAL CROSS SECTION**



G2 **GLAZING DETAIL** GRIDS BETWEEN GLASS



G3 **GLAZING DETAIL** DECORATIVE



G4 **GLAZING DETAIL** BLINDS BETWEEN GLASS

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PRODUCT: *FIBERGLASS ODL*

PART OR ASSEMBLY: *SIDELITE PANEL & LITE FRAME GLAZING DETAILS*

NO.	DATE	REVISIONS	BY

DATE: 12/10/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46118.5
SHEET 3 OF 11

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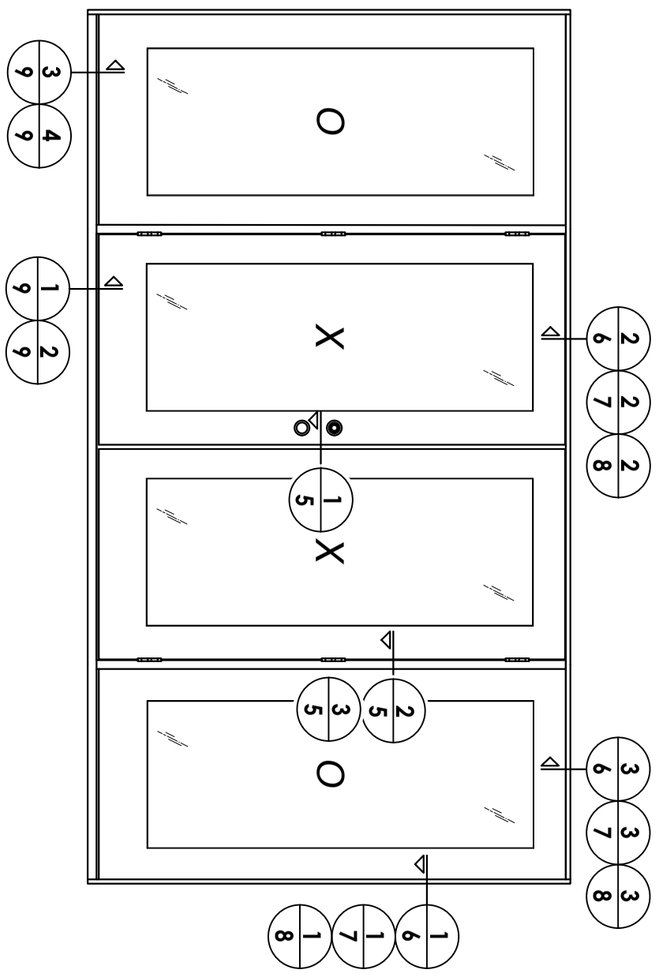

ELEVATION
OXXO

NO.	DATE		BY

REVISIONS

PRODUCT: ODL FIBERGLASS DOOR

PART OR ASSEMBLY: ELEVATIONS

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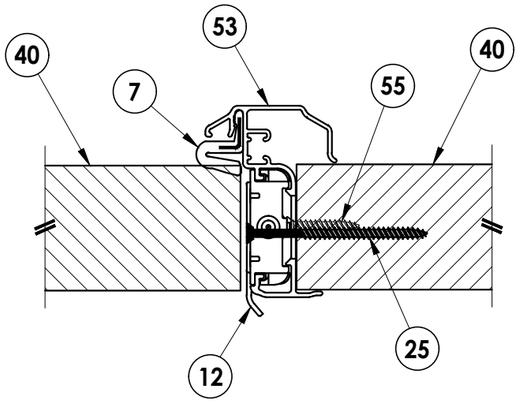
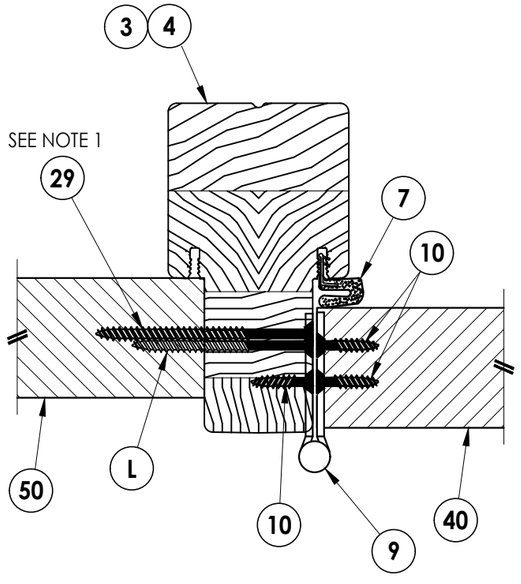
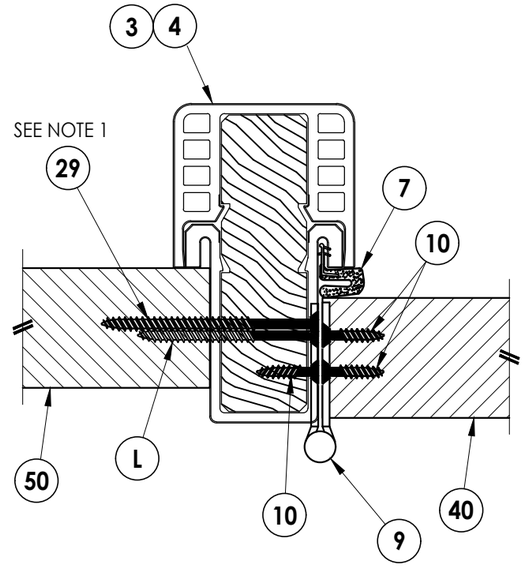
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46118.5
SHEET 4 OF 11



1/5 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)



2/5 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)



3/5 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)

Notes:
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).

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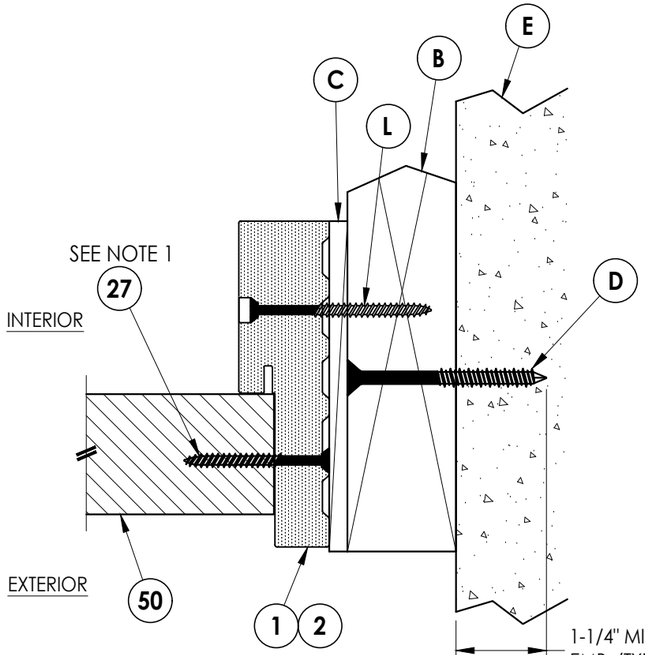
PRODUCT: ODL FIBERGLASS DOOR

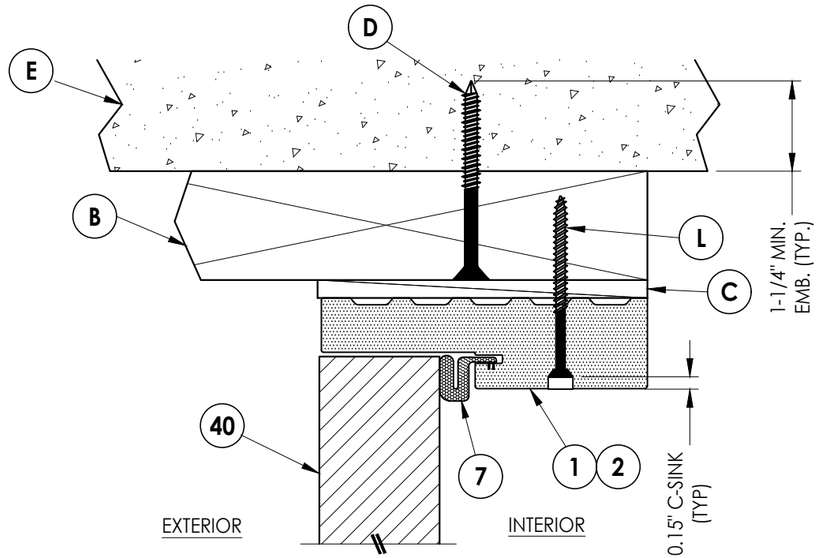
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS

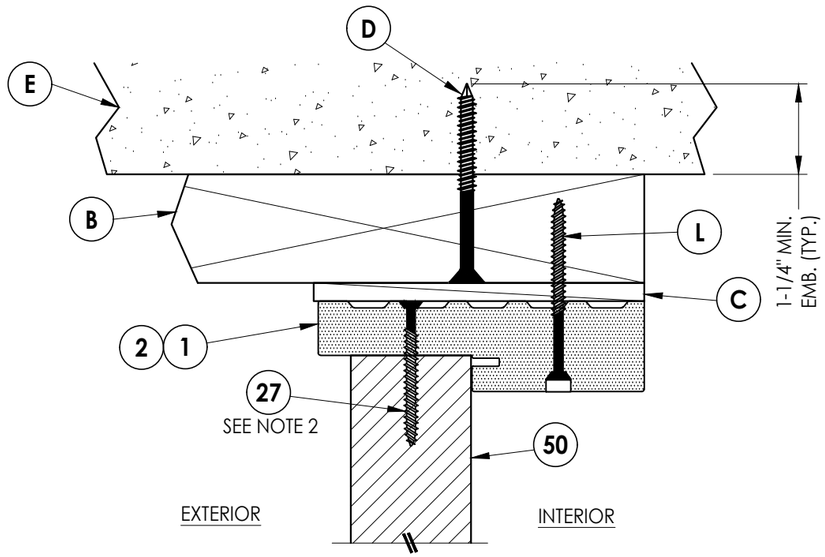
DATE: 12/10/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46118.5
SHEET 5 OF 11



1/6 ***HORIZONTAL CROSS SECTION***
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck



2/6 ***VERTICAL CROSS SECTION***
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck



3/6 ***VERTICAL CROSS SECTION***
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck

Notes:
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
2. Sidelite assembly screws located 10" from each end (2 screws total along head & sill). Note: Screws not required on 14" Sidelites.

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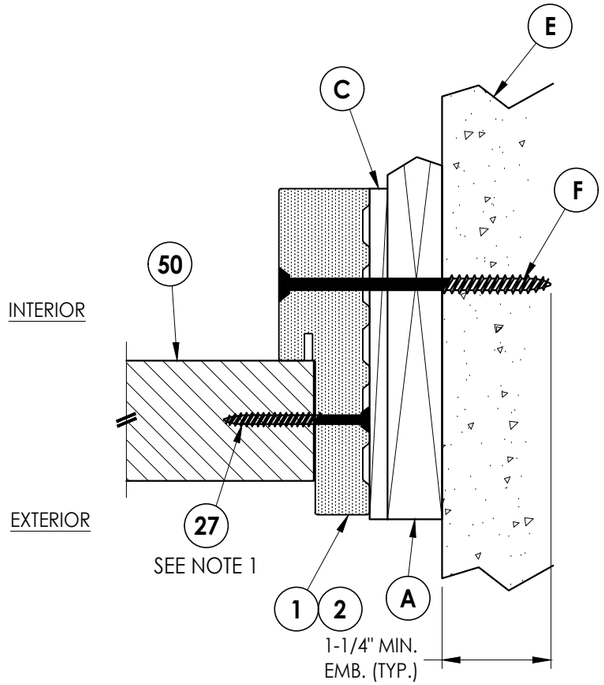
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: *ODL FIBERGLASS DOOR*

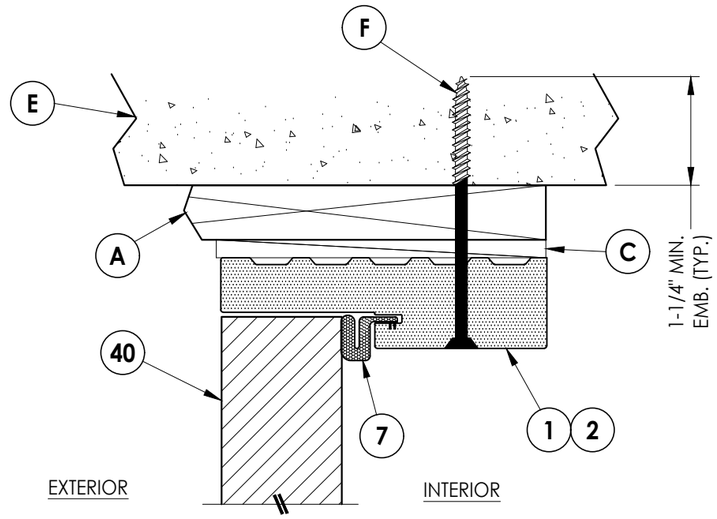
PART OR ASSEMBLY: *HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)*

NO.	DATE	REVISIONS	BY

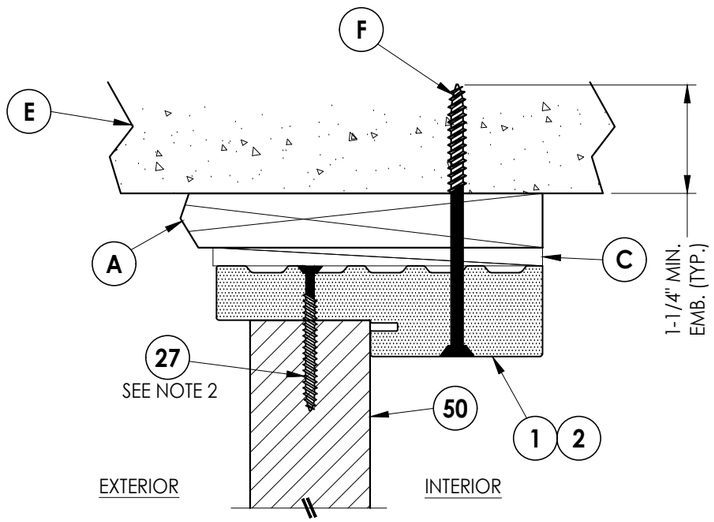
DATE: 12/10/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46118.5
SHEET 6 OF 11



1/7 *HORIZONTAL CROSS SECTION*
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



2/7 *VERTICAL CROSS SECTION*
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



3/7 *VERTICAL CROSS SECTION*
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck

Notes:
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
2. Sidelite assembly screws located 10" from each end (2 screws total along head & sill). Note: Screws not required on 14" Sidelites.

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FBPE Registry No. 9813

PRODUCT: ODL FIBERGLASS DOOR

PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)

NO.	DATE	REVISIONS	BY

DATE: 12/10/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46118.5
SHEET 7 OF 11

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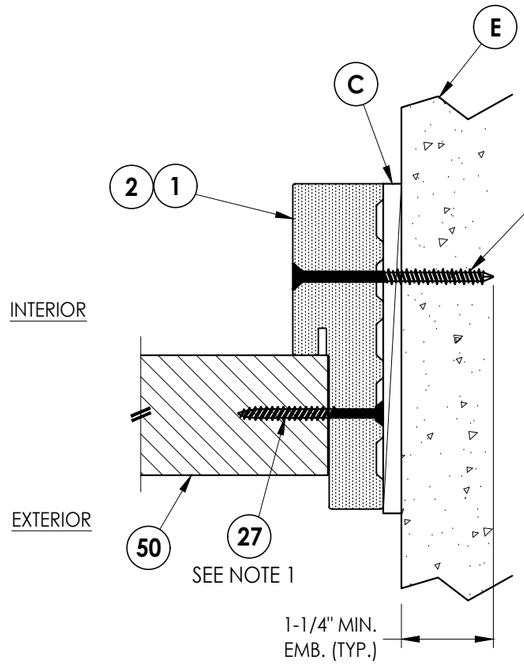
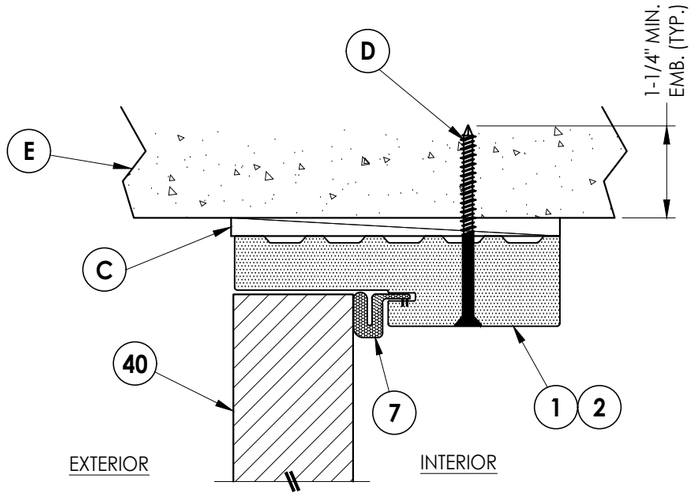
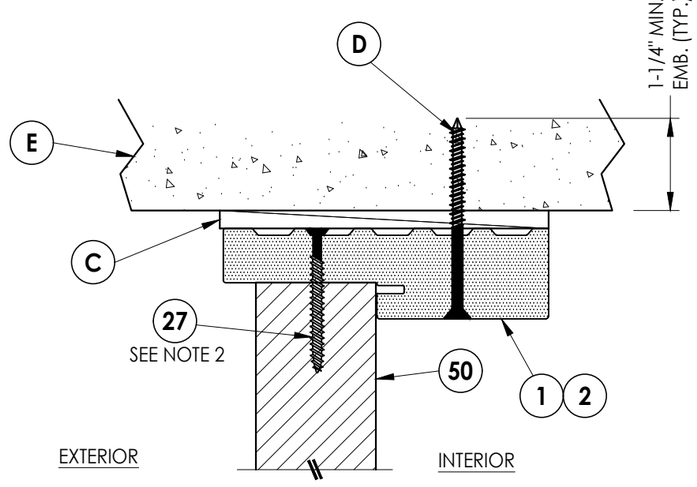


1/8 *HORIZONTAL CROSS SECTION*
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



2/8 *VERTICAL CROSS SECTION*
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



3/8 *VERTICAL CROSS SECTION*
Outswing Shown (Inswing Similar)
Shown Direct to Masonry

Notes:
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
2. Sidelite assembly screws located 10" from each end (2 screws total along head & sill). Note: Screws not required on 14" Sidelites.

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PRODUCT: *ODL FIBERGLASS DOOR*

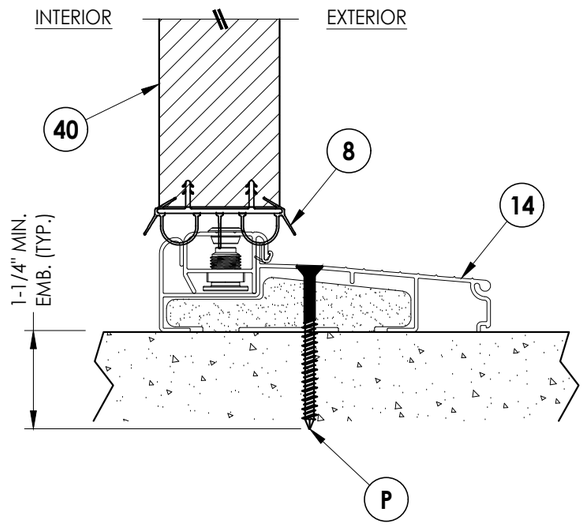
PART OR ASSEMBLY: *HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)*

NO.	DATE	BY	REVISIONS

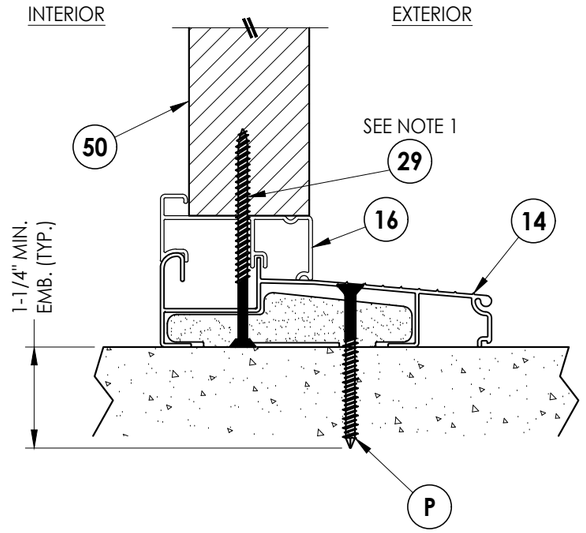
DATE: 12/10/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46118.5
SHEET 8 OF 11

Z:\2023 FBC Drawings\ODL, Inc\FL-46118\FL-46118.5.dwg

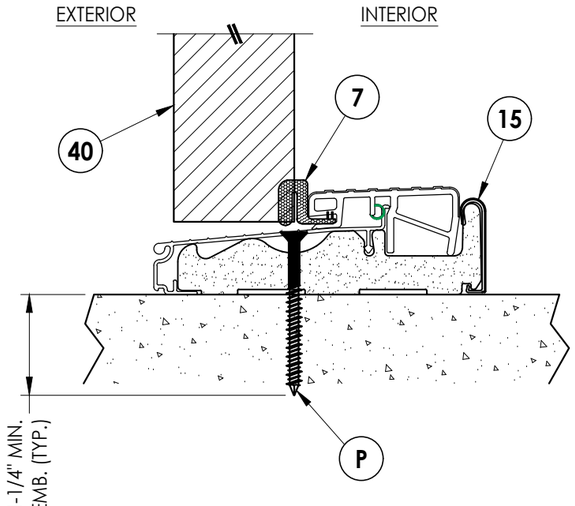
Notes:
1. Sidelite assembly screws located 10" from each end (2 screws total along head & sill).



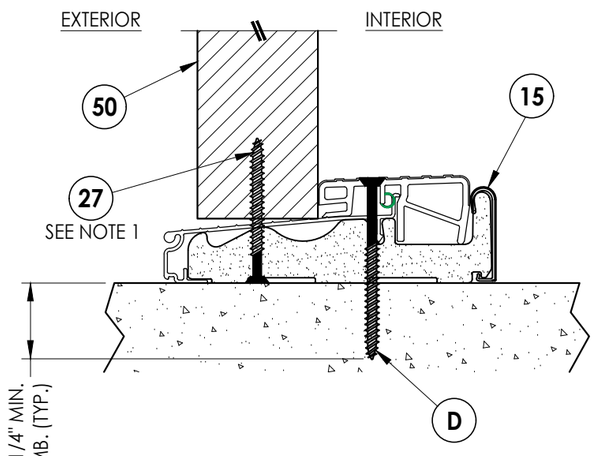
1/9 **VERTICAL CROSS SECTION**
Inswing Sill



3/9 **VERTICAL CROSS SECTION**
Inswing Sill



2/9 **VERTICAL CROSS SECTION**
Outswing Sill



4/9 **VERTICAL CROSS SECTION**
Outswing Sill

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: *ODL FIBERGLASS DOOR*

PART OR ASSEMBLY: *VERTICAL CROSS SECTIONS (THRESHOLDS)*

NO.	DATE	REVISIONS	BY

DATE: 12/10/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46118.5
SHEET 9 OF 11

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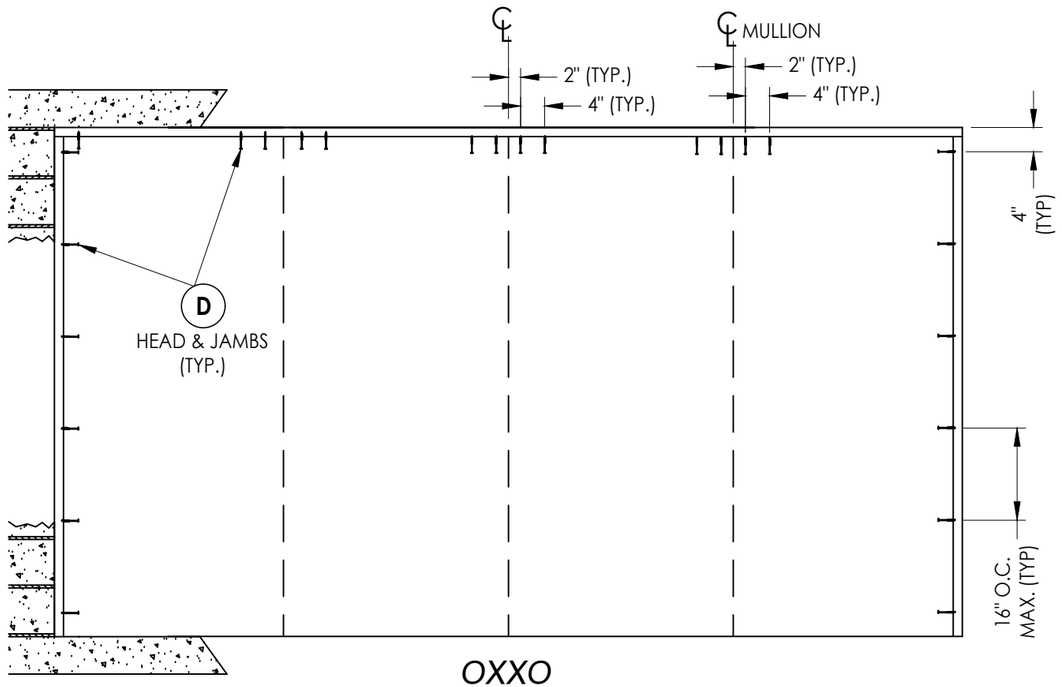

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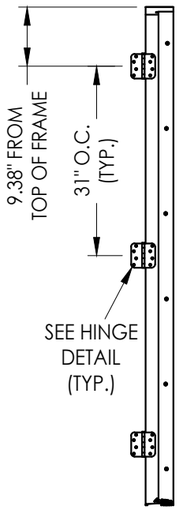
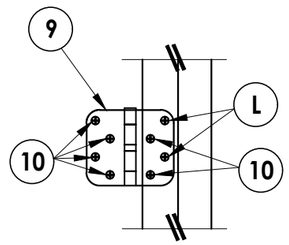
2X BUCK ANCHORING

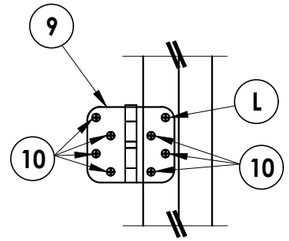


HINGE JAMB



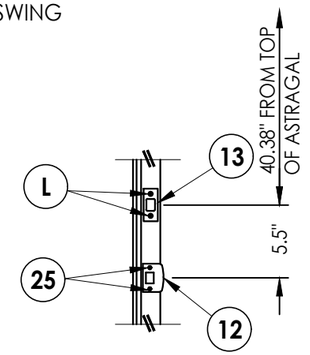
HINGE DETAIL

INSWING

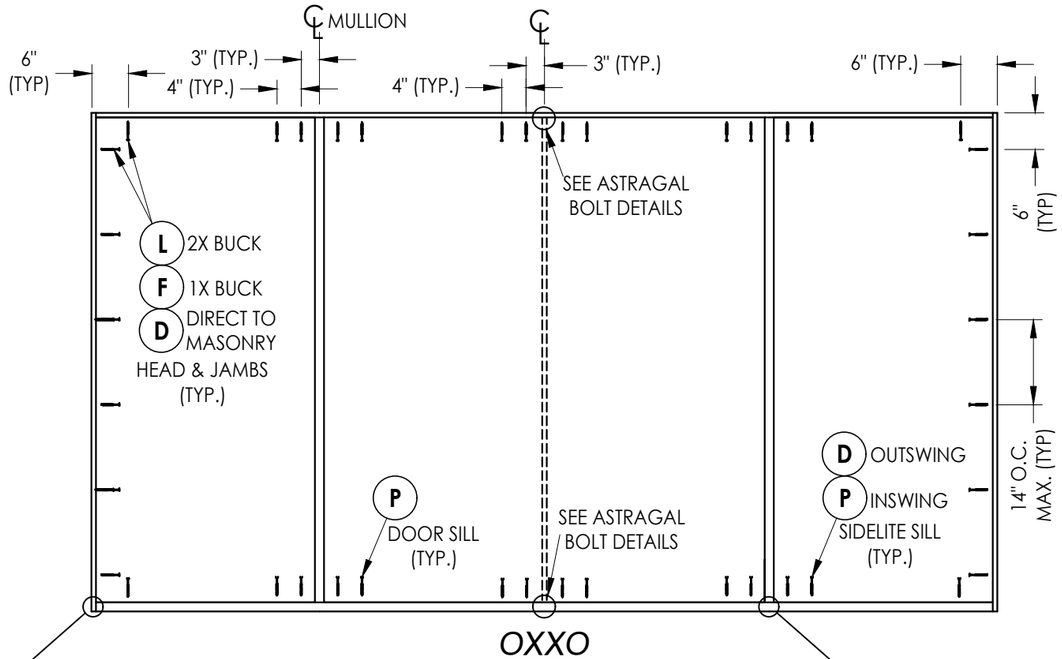


HINGE DETAIL

OUTSWING

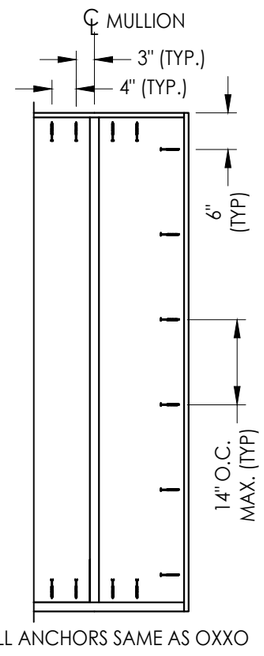


LATCH & DEADBOLT STRIKE PLATE DETAILS



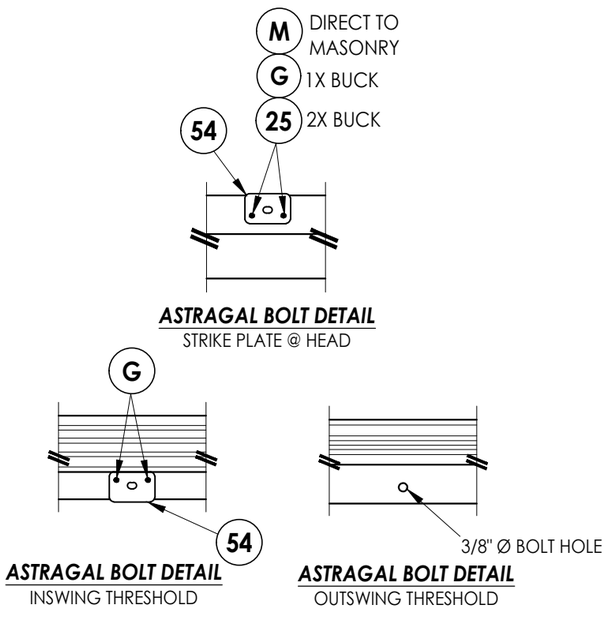
OXXO

FRAME ANCHORING



ALL ANCHORS SAME AS OXXO

Shown w/ 14" Sidelite



HARDWARE DETAILS

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: *ODL FIBERGLASS DOOR*

PART OR ASSEMBLY: *FRAME ANCHORING & HARDWARE DETAILS*

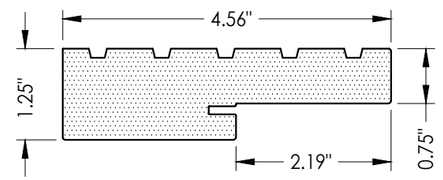
NO.	DATE	BY
REVISIONS		

DATE: 12/10/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46118.5
SHEET 10 OF 11

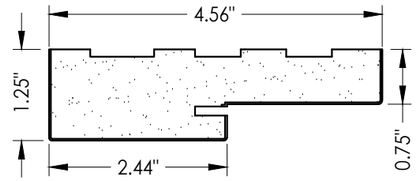
Z:\2023 FBC Drawings\ODL, Inc\FL-46118\FL-46118.5.dwg

BILL OF MATERIALS

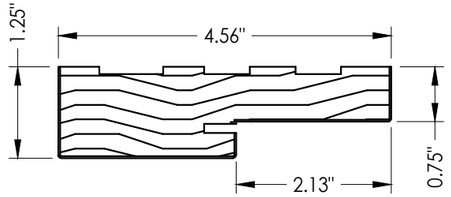
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
M	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
P	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	COMPOSITE JAMB (WORLDWIDE OR PLASTPRO)	COMP
2	WOOD JAMB (FJ PINE OR PLASTPRO)	WOOD
3	COMPOSITE MULLION (ENDURA OR PLASTPRO)	PVC/WOOD
4	WOOD MULLION (PINE OR ENDURA)	WOOD
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
9	4" X 4" HINGE	STEEL
10	#9 X 3/4" PFH WOOD SCREW	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
14	INSWING THRESHOLD	ALUM/COMP
15	OUTSWING THRESHOLD	ALUM/COMP
16	INSWING SIDELITE BASE	ALUM
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	#10 X 2" PFH SMS	STEEL
29	#10 X 3" FH COMPOSITE DECK SCREW	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-
53	ALUMINUM ASTRAGAL	ALUM
54	ASTRAGAL STRIKE PLATE (1.75" X 2.5")	STEEL
55	8 X 1" PFH WS	STEEL



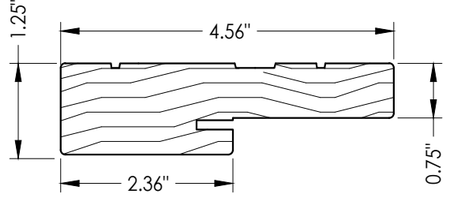
1 COMPOSITE JAMB
WORLDWIDE 4EVER COMPOSITE FRAME



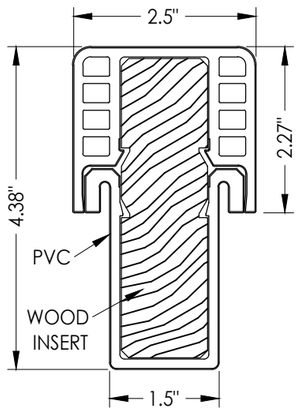
1 COMPOSITE JAMB
PLASTPRO POLY FIBER JAMB



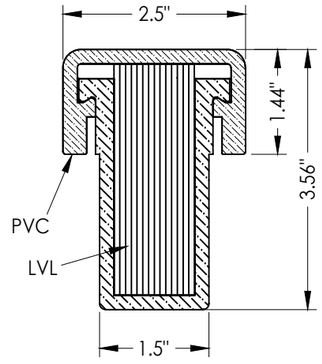
2 WOOD JAMB
FINGER JOINTED PINE



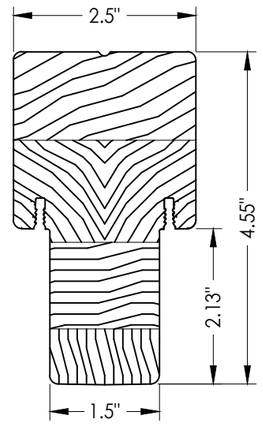
2 WOOD JAMB
ENDURA FrameSaver



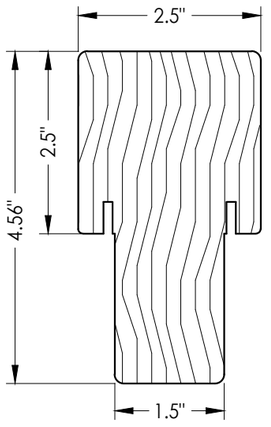
3 COMPOSITE MULLION
ENDURA FUSION
w/ PVC Boot



3 COMPOSITE MULLION
PLASTPRO (3-Piece)
w/ PVC Boot



4 WOOD MULLION
PINE



4 WOOD MULLION
ENDURA FrameSaver

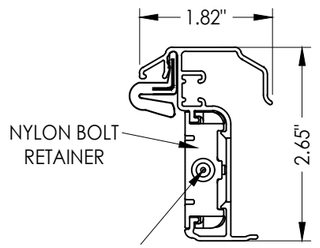
CONCRETE ANCHOR NOTES:

1. *Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.*
2. *Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.*
3. *Concrete anchor table:*

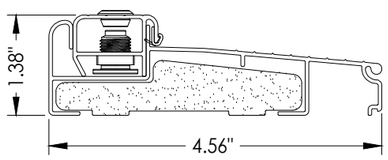
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

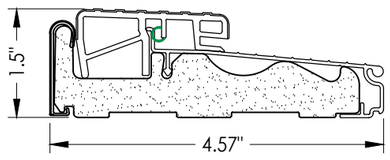
1. *Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.*



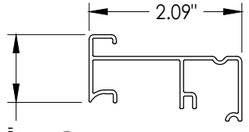
53 ENDURA ULTIMATE ALUMINUM ASTRAGAL
ULTIMATE PUSH BUTTON ASTRAGAL
ULTIMATE HURRICANE ASTRAGAL



14 INSWING ADJUSTABLE THRESHOLD
ZAILAA4565



15 OUTSWING THRESHOLD
ENDURA Z SERIES



16 INSWING SIDELITE BASE
ENDURA

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PRODUCT: ODL FIBERGLASS DOOR

PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS

NO.	DATE	REVISIONS	BY

DATE: 12/10/24
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DWG. BY: LFS
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DRAWING NO.: FL-46118.5
SHEET 11 OF 11